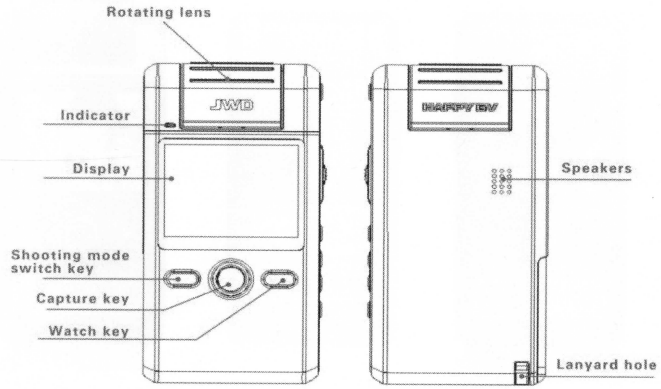
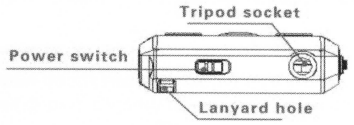
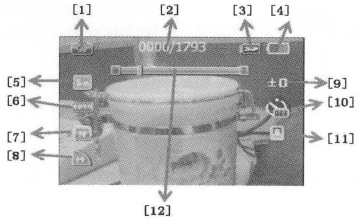
JWD®

Rotary type DV-72
User Manual





When shooting still pictures:



When shooting dynamic images:

[1] Shooting mode: - Photographs (Still pictures) - Video (Recording a movie)

[2] Shooting capacity:

When taking pictures: the number of pictures have been taken / total number of recordable pictures;

Video preview: remaining recording time;

Recording in progress: the time frame has been shot;

[3] Storage media state: - SD card, - SD card protection

[4] Remaining battery power

[5] Recorded image resolution:

Photo time - Image size;

Recording time - Image resolution

[6] White balance: - Automatically; - Cloudy; - Daylight; - Fluorescent lamps; - Tungsten

[7] Digital effects: - Normal; - Black and white; - Nostalgia

[8] Image quality: - Best; - Better; - General

[9] Exposure compensation;

[10]Self-timer: Closed/10 seconds/20 seconds;

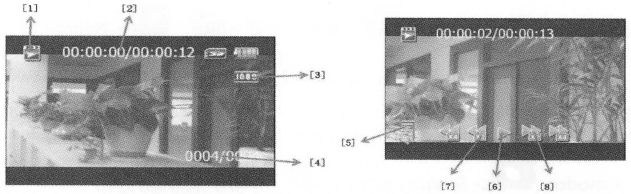
[11] Camera mode: - Single camera; - Cont;

[12] Digital zoom;

[13] Video (Activities affect shooting) In progress;

[14] Video sound: - Open; - Closed;

View images:



[1] Watching the file type: - Dynamic moving image; - Static image.

[2] File is playing time/ File total time.

[3] File resolution.

[4] Image file number being played/ The total number of the same type of image file.

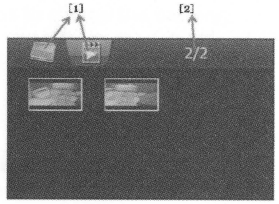
[5] Volume;

[6] Play/ Suspend status indications; - Play; - Suspended.

[7] Rewind status indication;

[8] Fast-forward status indication

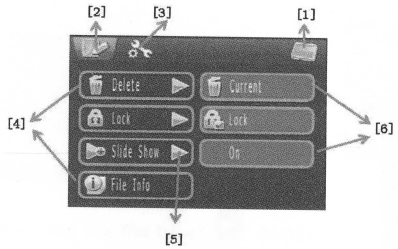
View menu:



[1] File type: - Static image; - Dynamic image.

[2] The selected file's current page/ Total number of pages.

Setting menu:



[1] The current model of the unit;
[2] The current mode of the menu;
[3] The local system setup menu;
[4] Menu options;
[5] Lower sub-menu contains menu options;
[6] The current value of the menu options;

- Getting started

Accessories:Charger;SD Card;AV cable;HDMI cable;USB cable;CD-ROM;
Wrist strap;Manual

1. Charge:

Steps to charge the battery:

（1）Open the left side of waterproof cover;
（2）The supplied battery charger plug into the USB slot;
（3）Close the camera, red indicates light, start charging.
（4）The red light goes out, charging completed(About 3 hours).
（5）The charger from the unit's USB slot.

2. Insert SD card

Insert the SD memory card to expand storage. This unit supports 32GB maximum.

Steps to insert the memory card:

（1）Open the right side of the waterproof cover;
（2）Put the memory card gaps down(insert SD card slot, inserted in the end, kata until the issue of sound.
（3）Close the closing lid

Steps to remove the SD card:

（1）Open the right side of the waterproof cover;

（2）To ensure that the access lamp is not lit, inward push the memory card.

3. Turn On / off the unit

Turn on:

（1）Open the right side of the waterproof cover, the power switch to the top position, turn the unit power.

（2）Press "ON / OFF" button for 2 seconds to open the unit, green indicates light

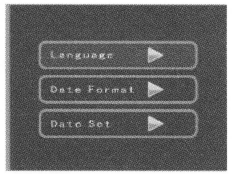
Turn off:

(1) In switched, press "ON / OFF" button to turn off the unit, the green indicates off.

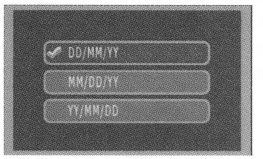
(2) If you open the unit after a certain period of time without any action on the unit, this will automatically shut down to prevent power loss (automatic shutdown function).

4. Set the native language and time

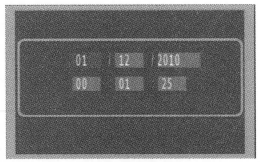
After the first time you open the unit, will enter the language、date format and date settings page. The future can also be modified by setting the menu



Press" ▲ ▼"button to select the desired setting option, press "OK" button to enter the desired settings option.



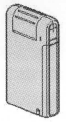
Press " ▲ ▼" button select the current field, press "OK" button to accept the settings.



Press " ▲ ▼" to set the current field, Press " ▲ ▼" previous / next field, press "OK" button to accept the settings.

After accept the settings, camera viewfinder can be taken into the preview state, the default shooting mode for video.

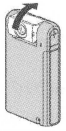
5. Open, close and rotate the camera



(1) Camera head off

If the camera is turned off, when turned on, the unit in play mode, not shooting video.

(2) Rotate the camera along the direction of the arrow to open the lens

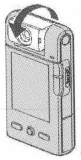


According to the recorded image, in the 0-270 degrees rotation adjustment camera 270 degrees can be easily self.

Notes: the lens can rotate 270 degrees maximum. Please do not force more than 270 degree rotating camera to avoid camera damage.

(3) Back off camera

Along the direction of the arrow back to the closed state, the unit shut down automatically.



Carry this unit, please back to camera, so that is turned off, in order to protect the local camera.

Basic operation

1. Take the picture

Press the "capture mode switch key", the unit into the location shooting can be a preview of the state. If the current state is not the shoot state (video or photograph), video capture mode by default, otherwise, the switch between video and pictures.

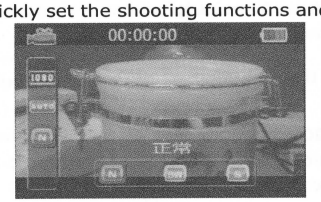
In Preview - video mode, press the "shooting key" start/ stop recording video.

Useful function of the shooting - Digital zoom: In the preview mode, press "▲ (T) / ▼ (W)" key to adjust the focal length shot.

In order to effect the satisfaction of shooting pictures and moving images, please try to hold steady the unit when shooting, keep stable, do not shake. If need to move the unit in camera, need to move slowly and steadily. Conditional when using a tripod to fix the unit.

2. Filming the set up and use function

（1）A preview can be location shooting in the state, Press "◀ " "▶"key to quickly set the shooting functions and parameters.



"◀" Button shortcut menu to set the following recording functions and

parameters:

Resolution (1080P-30fps、720P-30fps、VGA);
White balance (Auto, cloudy, daylight, fluorescent, tungsten);
Digital effects (Normal, black and white, shabby);

" ▶ " Button shortcut menu to set the following recording functions and parameters:

Exposure compensation (-2.0 ～ 0 ～ 2.0);
Sound (On, Off)

"◀" Button shortcut menu to set the following camera functions and parameters:

Resolution (1080P-30fps、720P-30fps、VGA);
White balance (Auto, cloudy, daylight, fluorescent, tungsten);
Digital effects (Normal, black and white, shabby)
Image quality (Best / good / normal)

" ▶ " Button shortcut menu to set the following camera functions and parameters:

Exposure compensation (-2.0 ～ 0 ～ 2.0);
Self-time delay (off/10 seconds/ 20 seconds)
Camera mode (Single / continuous shooting)

The default setting in blue marker, in the system settings menu option to restore the default. Please refer to the operating instructions 6, Custom settings on the local system.

(2) A preview can be location shooting in the state, press the "setting" button can also set the shooting functions and parameters. See the operating instructions 5 menu settings.

3 View images

（1）Watch the video state

Viewing images in the non-state, press "view button" to enter the viewing picture mode and open the current file.

If you are viewing a static image:

Press "▲ / ▼" key to zoom, reduce the image;

Press "◀ / ▶" key to view previous / next still picture;

Press "OK" button to enter the static image automatically played mode.
In the static image auto play mode:
Press "▲ / ▼/ ◀ / ▶" key to change the direction of play automatically;
Press "OK" button to return to normal viewing.
If you are viewing moving images:
In the state of stop and pause:

Press "◀ / ▶"to enter on a previous / next video;

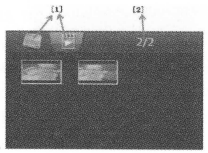
Press "OK" button to start playback of the moving image file.
In playing status:
Press "▲ / ▼"key to adjust the volume;

Press"◀ / ▶"key to enter the fast forward / rewind (1/2, 1/4)state;

Press "OK" button to enter the suspended state.
Press "OK" button for 2 seconds into the stopped state.

(2) View the images index page

In the watching mode press the "watch key" again, or hold on the"▼"button, view the index page appears.



Press"◀ / ▶"to select the file type you want to watch (static picture / video);

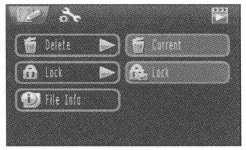
Press "▼" key or "OK" button to activate the selection box, at this point you can select the file you want to play.

After the selection box activated, Press "▲ / ▼/ ◀ / ▶" to select the file you want to watch; press "OK" to open the selected file to watch, press "settings button" to return to see the index page.

4. View function to use

Under the state of watching video, Press the "Settings button", into the view menu, the following functions can be realized:

View pictures: Moving image viewing capabilities:



how to operate the menu, please refer to the basic operation of five set menus
Delete files: Delete the current - can delete the current display images;
Select delete - select and delete multiple files.

（1）Press the "▲ / ▼/ ◀ / ▶" key to move the blue box to activate the file you want to delete

（2）Repeat the above steps, until you select all the files you want to delete.
（3）Once again selected tagged files, Can remove the check mark.
（4）Press the "Set Key" into the delete file operation confirmation menu, in the confirmation menu, press"◀" "▶"
Delete all – Once all the deleted files are not protected

Protect / release file：Protect / release the file to prevent accidental deletion.
Protection current,Discharge current,Protection of all,Lifting all
Auto Play: It can open the still picture, and set the direction of movement automatically play pictures and play the interval between each picture.
File information: This function can view video files.

5. Setup menu

Various states in the unit (except for viewing images index page), according to the top of the unit operation, can be set to different functions and parameters.

In the menu settings page, Press "▲ / ▼/ ◀ / ▶ " enter the desired settings field, press "OK" confirm button to accept the settings, set the selected item is marked as "☑".

"Set key" again to exit setup.

6. The local system custom settings

After entering the setup menu, press "▶" to enter the local system settings, You can set up the own system.

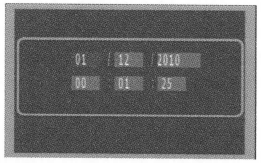
how to operate the menu, please refer to the basic operation five of setting menus

Formatting: Format the memory card or internal memory

To ensure that the memory card can stably work, suggestions for the memory card in the first time of this unit, formatted memory card. Formatting permanently deletes all data on the memory card, including protected images, and can not be restored. Therefore, before format the memory card, back up important data.

Date / Time: (1) Set the date format

(2) Reset the date and time



Press " ▲ ▼ " to set the current field, Press "◀ ▶ "previous / next field; press "OK" button to accept the settings.

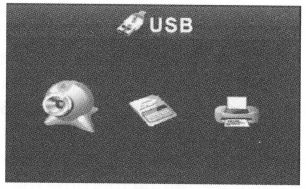
Language: Selected for the display language.

Date stamp: Choose whether to print still pictures taken the time and date stamp.

TV output: According to the TV color even TV equipment video signal output format setting type(NTSC or PAL).

Automatic shutdown: open the unit's automatic shutdown function and automatic shutdown time. If you open the unit later, during this time the unit did

not do anything, the unit will shut down automatically, to prevent power loss.
Key tone: whether to open the unit's key tone function.
Frequency: Set the source frequency (50HZ and 60Hz).
Default settings: the settings return to default settings
USB interface:
Open the left side of waterproof cover, using the supplied USB cable to the local computer or USB jack or USB printer connection. The unit start and display the USB connection interface automatically. Select the appropriate USB operation (PC Camera, Memory and the printer model).



When the unit connected to the computer, if this is the first time attached to the WINDOWS operating system computer, to install the file in CD-ROM immediately Coach_driver_setup-xp-vista32-2k. exe to use the PC Camera function

The unit proposed in the Windows environment, the computer work (Microsoft Windows XP, Microsoft Windows 7, Microsoft Windows vista). If your computer system is installed on Linux or MAC system, the need to support functions in order to use UVC PC Camera.

Press "◀ / ▶" key to select the desired action, press "Ok" button to perform the operation confirmation.

PC Camera function:
My computer will appear under the two directories: Coach Digital Camera and Coach Video Camera.
Can also use the tools on CD-ROM amcap.exe, the application of the unit to shoot the scenes images in the PC.
memory function:

My computer mobile operators appear on disk
Use this unit CD special tools, you can take pictures of the unit and video editing, individual changes. Made into a DVD, and through YouTube and other online delivery and sharing. Please refer to the tool description.

connected to the printer:

The display follows the printer menu

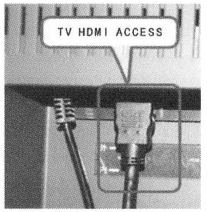
Press "▲ / ▼/ ◀ / ▶" to move the blue box to activate the file you want to print, press "OK" confirmation key to select / cancel the file you want to print. Press "set key" to enter the print operation confirmation menu, according to display prompts to print the selected file.

Viewing images on a TV

Connecting the unit to a TV, you can view the images on a TV screen.

Connect to High Definition (16:9) TV

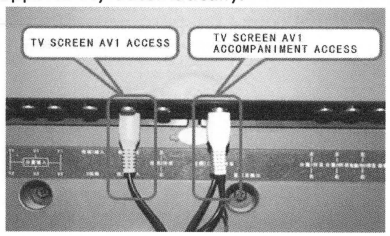
Open the left side of waterproof cover, the supplied HDMI cable into the unit a small port insert the unit HDMI slot. The other end HDMI standard outlets received high definition televisions HDMI slot. TV signal will be introduced by switching to the unit, the HDMI port signal output high-definition HDMI signals opportunity automatically.



Connected to the (4:3) standard TV

Open the left side of waterproof cover, connect the supplied AV cable into the AV

slot unit, AV cable to connect the other end of the yellow plug to the TV's video input jack, White and red plugs into the TV's audio input jack. TV signal will be introduced by switching to the unit, after the AV ports signal output TV signals this opportunity automatically.



Notes:

Using this unit, you may need to switch the video output signal to match your TV color system

When the video signal output to the TV, the LCD screen will not display images.

In the standard definition (SD) high-definition moving image playback on the TV, the upper and lower edge of the Black Belt will be displayed.

Fault solution

If you encounter problems when using the unit, please try the following solution Please check the following common problems and solutions listed in the project. Set the power switch to the off position, turn off the power. And in about 1 minute to reboot.

Check with your dealer or local authorized service consultation.

(1) The battery has run out or remaining power is too low, please use the supplied power adapter to charge the unit.

(2) If the charge can not boot, Set the power switch to the off position, and in about 1 minute to reboot.

Not to charge the unit:

(1) With a USB cable to connect the unit to the computer, can not charge the unit. This unit can only use the supplied battery charger.

(2) When the unit is in working condition, will not be charged, turn off the unit when charging.

Power suddenly shut down: After opening the unit, in the automatic shutdown of the time without any action on the unit, it will shut down automatically, to prevent power loss (Auto power off function)
Screen suddenly black screen, green light still on: Within 1 minute without any action on the unit, the unit enters power saving mode, press any key (Except ON / OFF key), the unit will return to normal operation.

Take the picture

Can not record images:

(1) Battery is too low, please recharge the unit;
(2) For the first time using a memory card, no formatting on this unit.
(3) On the SD card access speed is too low, replace high-speed card.
(4) Storage capacity is full, delete unnecessary files, or replace the SD card.
(5) SD card has been broken, replace the SD card.
(6) Moving image taken when the resolution of 1080P, can not record movies on the internal storage.

Play images:The unit can not play images:

(1) On your computer changed the file name or folder name
(2) If the image file through the computer processing, the video camera or the activities of non-image file, the unit is not guaranteed to play.
(3) Memory card is bad.

Shooting date and time are not superimposed on a static picture: Please open the date in the system Settings mark function
Can not delete images: Image file is protected, remove the image file protection.
Can not watch the images on the TV: Check connections, TV signal source is switched to the interpolation of the signal source

Specifications

Size: 112 mm x 54 mm x 18 mm (Length, width and height)
Weight: 121g
Sensor: COMS sensor 500 million effective pixels
Lens: F2.8
Exposure control: Automatic exposure
LCD screen: 2.0-inch TFT LCD screen
File format: Static image JPEG
Moving image MPEG-4 AVC/H.264 (.mp4)
Recording media: Internal memory
SD card (Maximum support 32G)
Input and output interfaces: Hi-speed （USB2.0）
HDMI high-definition interface
TV output AV-interface
Battery: Built-in lithium battery (1100mAH)
Design and specifications are subject to change without notice